

## U.S. ENVIRONMENTAL PROTECTION AGENCY REMEDIAL ACTION

## ADMINISTRATIVE RECORD

FOR

## AMERICAN CHEMICAL SERVICE, INC. SITE GRIFFITH, INDIANA

#### UPDATE #3 JULY 21, 1999

<u>NO.</u>	DATE	AUTHOR	RECIPIENT	TITLE/DESCRIPTION E	AGES
1	04/00/93	Canonie Environmental	U.S. EPA	Bench Scale Treat- ability Study: Soiltech Anaerobic Thermal Process for the American Chemical Service Site	
2	04/00/93	Envirogen, Inc.	U.S. EPA	Soil Vapor Extraction Treatability Study for the American Chemical Service Site	105
3	04/00/93	Vapex Environmental Technologies, Inc.	U.S. EPA	Bench Scale Vapor Extraction Treatability Study for the American Chemical Service Site	347
4	04/15/93	Perellis, A.; Coffield, Ungaretti & Harris	Siegel, S., U.S. EPA	Letter re: Analyses of the Treatability Studies for the American Chemical Service Site w/ Attachments	37
5	06/24/93	Bowlen, G., Envirogen, Inc.	Hamper, M., Warzyn, Inc.	Letter Forwarding the Attached Soil Vapor Extraction Treatability Study (Eighteen Week Results) for the American Chemical Service Site	17
6	06/00/94	Roy F. Weston, Inc.	U.S. EPA	Technical Memorandum: Analysis of Extent of Contamination and ROD Selected Remedy for the American Chemical Service Site	27
7	04/03/95	Adams, J., Montgomery Watson	Bianchin, S., U.S. EPA	Technical Memorandum for Expedited Groundwater Sampling Results for the Period December 1994-January 1995 for the American Chemical Service Site	
8	11/07/95	Black & Veatch Special Projects Corporation	U.S. EPA	Oversight Summary Report for the July 19, 1995 Sit Tour and October 2, 1995 Survey at the American Chemical Service Site	16 e

NO.	DATE	AUTHOR	RECIPIENT	TITLE/DESCRIPTION PAGES
9	11/21/95	Black & Veatch Special Projects Corporation	U.S. EPA	Oversight Summary Report 34 for the Period October 20 - November 14, 1995 for the American Chemical Service Site
10	12/00/95	Montgomery Watson	U.S. EPA	Report: Lower Aquifer 70 Investigation SOW and SOPs for the American Chemical Service Site
11	12/00/95	Montgomery Watson	U.S. EPA	Report: Upper Aquifer 20 Investigation SOW and SOPs for the American Chemical Service Site
12	01/22/96	Montgomery Watson	U.S. EPA	Report: Upper Aquifer 20 Investigation SOW and SOPs for the American Chemical Service Site (REVISED)
13	01/25/96	Montgomery Watson	U.S. EPA	Report: Lower Aquifer 70 Investigation SOW and SOPs for the American Chemical Service Site (REVISED)
14	02/22/96	Black & Veatch Special Projects Corporation	U.S. EPA	Oversight Summary Report 51 for the Period January 16-February 14, 1996 for the Barrier Wall Alignment/Construction Field Work at the American Chemical Service Site
15	03/00/96	Montgomery Watson	U.S. EPA	50 Percent Design Sub- 322 mittal for the Perimeter Groundwater Containment System for the American Chemical Service Site w/ Attached Replacement Pages
16	03/00/96	Montgomery Watson	U.S. EPA	Technical Memorandum: 377 Dewatering/Barrier Wall Alignment Investigation Report for the American Chemical Service Site
17	03/00/96	Montgomery Watson	U.S. EPA	Technical Memorandum: 46 Upper Aquifer Investigation for the Monitoring Well and Sampling Proposal (Text, Tables, Figures and Appendix A) for the American Chemical Service Site

NO.	<u>DATE</u>	AUTHOR	RECIPIENT	TITLE/DESCRIPTION PAGES
18	03/00/96	Montgomery Watson	U.S. EPA	Technical Memorandum: 523 Upper Aquifer Investigation for the Monitoring Well and Sampling Proposal (Appendix B: Field GC Printouts and Plots) for the American Chemical Service Site
19	03/27/96	Black & Veatch Special Projects Corporation	U.S. EPA	Oversight Summary for 140 the Upper Aquifer Investigation at the American Chemical Service Site
20	03/27/96	Vagt, P., Montgomery Watson	Addressees	Memorandum Forwarding 137 Attached Information Concerning Past Ground- water Modeling Reports for the American Chemical Service Site
21	04/19/96	Vagt, P., Montgomery Watson	Bianchin, S., U.S. EPA	Letter Forwarding 31 Attached Correction Pages for the Dewatering/Barrier Wall Alignment Investiga- tion Report for the American Chemical Service Site
22	05/03/96	Montgomery Watson	U.S. EPA	Technical Memorandum: 107 Upper Aquifer Investigation Monitoring Well and Sampling Proposal for the American Chemical Service Site (REVISED)
23	06/00/96	Montgomery Watson Americas, Inc.	U.S. EPA	50 Percent Design Sub- mittal for the Barrier Wall and Associated Groundwater Extraction System and Pilot Study Test Cell for the Amer- ican Chemical Service Site
24	07/00/96	Montgomery Watson	U.S. EPA	Technical Memorandum: 339 Wetland Investigation for the American Chemical Service Site
25	07/11/96	Black & Veatch Special Projects Corporation	U.S. EPA	Oversight Summary Report 7 and Photographs for the Wetlands Sampling at the American Chemical Service Site

NO.	DATE	AUTHOR	RECIPIENT	TITLE/DESCRIPTION PAGES
26	07/25/96	Montgomery Watson	U.S. EPA	Technical Memorandum: 84 Upper Aquifer Investigation Monitoring Well and Sampling Proposal for the American Chemical Service Site (REVISED)
27	08/00/96	Montgomery Watson	U.S. EPA	Technical Memorandum: 217 Dewatering/Barrier Wall Alignment Investigation Report for the American Chemical Service Site
28	08/06/96	Black & Veatch Special Projects Corporation	U.S. EPA	Field Oversight Summary 33 Report for July 1996 for the Upper Aquifer Inves- tigation Monitoring Well/ Piezometer Installation at the American Chemical Service Site
29	09/00/96	Montgomery Watson	U.S. EPA	Technical Memorandum: 133 Lower Aquifer Investiga- tion Report for the American Chemical Service Site
30	09/00/96	Montgomery Watson	U.S. EPA	Technical Memorandum: 388 Lower Aquifer Investiga- tion Report for the American Chemical Service Site (REVISED)
31	10/00/96	Montgomery Watson	U.S. EPA	Technical Memorandum: 254 Upper Aquifer Investiga- tion (Phase II) Well Installation and Sampling for the American Chemical Service Site
32	11/00/96	Black & Veatch Special Projects Corporation	U.S. EPA	Field Oversight Summary 33 Report for the Period November 18 - November 21, 1996 for the American Chemical Service Site
33	11/15/96	Black & Veatch Special Projects Corporation	U.S. EPA	Field Oversight Summary 34 Report for the Period October 28 - November 4, 1996 for the American Chemical Service Site
34	01/00/97	Montgomery Watson	U.S. EPA	Technical Memorandum: 357 1996 Groundwater Sampling Results Report for the American Chemical Service Site

NO.	DATE	AUTHOR	RECIPIENT	TITLE/DESCRIPTION PAGES
35	02/00/97	Black & Veatch Special Projects Corporation	U.S. EPA	Field Oversight Summary 116 Report for the Period December 28, 1996 - February 5, 1997 for the American Chemical Service Site
36	02/00/97	Montgomery Watson	U.S. EPA	Technical Memorandum: 156 Phase II Wetland Inves- tigation for the American Chemical Service Site
37	03/00/97	Black & Veatch Special Projects Corporation	U.S. EPA	Field Oversight Summary 105 Report for the Period February 6 - March 28, 1997 for the American Chemical Service Site
38	03/00/97	Montgomery Watson	U.S. EPA	Technical Memorandum: 62 Lower Aquifer Investigation Report for the American Chemical Service Site
39	03/00/97	Montgomery Watson	U.S. EPA	Technical Memorandum: 33 Upper Aquifer Investigation (Phase II) Well Installation and Sampling for the American Chemical Service Site
40	03/11/97	Black & Veatch Special Projects Corporation	U.S. EPA	Field Oversight Summary 41 Report for the Period November 22 - December 27, 1996 for the American Chemical Service Site
41	05/00/97	Montgomery Watson	U.S. EPA	Technical Memorandum: 41 March 1997 Groundwater Sampling Results Report for the American Chemical Service Site
42	05/00/97	Montgomery Watson	U.S. EPA	Technical Memorandum: 289 Wetland Investigation (Volume I of II: Text, Tables, Figures and Appendix A) for the American Chemical Service Site
43	05/00/97	Montgomery Watson	U.S. EPA	Technical Memorandum: 279 Wetland Investigation (Volume II of II: Appendix A Continued) for the American Chemical Service Site

NO.	DATE	AUTHOR	RECIPIENT	TITLE/DESCRIPTION PAGES
44	06/13/97	Black & Veatch Special Projects Corporation	U.S. EPA	Field Oversight Summary 129 Report for the Period March 29 - May 31, 1997 for the American Chemical Service Site
45	07/22/97	Horizontal Technologies, Inc.	U.S. EPA	Information Package: An 109 Introduction to Trenched Horizontal Wells for Water Supply, Linear Containment Remediation Systems and the Polywall Barrier System
46	09/12/97	Black & Veatch Special Projects Corporation	U.S. EPA	Field Oversight Summary 105 Report for the Period June 24 - July 11, 1997 for the American Chemical Service Site
47	10/00/97	Focus Environmental, Inc.	U.S. EPA	Pretreatment/Materials 357 Handling Study Report for the American Chemical Service Site
48	10/00/97	Montgomery Watson	U.S. EPA	Quarterly Monitoring 167 Report: Perimeter Ground- water Containment System for the Groundwater Treat- ment System at the Amer- ican Chemical Service Site
49	10/00/97	Montgomery Watson	U.S. EPA	Technical Memorandum: 270 June 1997 Groundwater Sampling Results Report (Volume 1: Text, Tables, Figures and Appendices A-B) for the American Chemical Service Site
50	10/00/97	Montgomery Watson	U.S. EPA	Technical Memorandum: 500 June 1997 Groundwater Sampling Results Report (Volume 2: Appendices C-F) for the American Chemical Service Site
51	01/00/98	Focus Environmental, Inc.	U.S. EPA	Thermal Treatability 423 Study Report for the American Chemical Service Site
52	01/00/98	Montgomery Watson	U.S. EPA	Quarterly Monitoring 52 Report: Groundwater Treatment System for the American Chemical Service Site

NO.	DATE	AUTHOR	RECIPIENT	TITLE/DESCRIPTION PAGES
53	01/00/98	Montgomery Watson	U.S. EPA	Technical Memorandum: 269 September 1997 Ground- water Sampling Results Report and Proposed Groundwater Monitoring Plan(Volume 1: Text, Tables, Figures and Appendices A-H) for the American Chemical Service Site
54	01/00/98	Montgomery Watson	U.S. EPA	Technical Memorandum: 457 September 1997 Ground- water Sampling Results Report and Proposed Groundwater Monitoring Plan(Volume 2: Appen- dices D-H) for the American Chemical Service Site
55	02/10/98	Black & Veatch Special Projects Corporation	U.S. EPA	Field Oversight Summary 10 Report for the December 9-18, 1997 Fifth Quarterly Sampling Round for the American Chemical Service Site
56	06/00/98	Black & Veatch Special Projects Corporation	U.S. EPA	Field Oversight Summary 56 Report for the Period June 1-10, 1998 for the American Chemical Service Site
57	07/21/98	Montgomery Watson	U.S. EPA	Technical Memorandum: 302 September 1997 Ground- water Sampling Results Report and Proposed Groundwater Monitoring Plan(Volume 1: Text, Tables, Figures and Appendices A-H) for the American Chemical Service Site [REVISED]
58	07/21/98	Montgomery Watson	U.S. EPA	Technical Memorandum: 457 September 1997 Ground- water Sampling Results Report and Proposed Groundwater Monitoring Plan(Volume 2: Appendices D-H) for the American Chemical Service Site [REVISED]

<u>NO.</u>	DATE	AUTHOR	RECIPIENT	TITLE/DESCRIPTION PAGES
59	09/28/98	Black & Veatch Special Projects Corporation	U.S. EPA	Field Oversight Summary 24 Report for the Period September 14-19, 1998 for the American Chemical Service Site
60	12/00/98	Montgomery Watson	U.S. EPA	June 1998 Groundwater 22 Treatment System Monitoring Report for the American Chemical Service Site
61	12/00/98	Montgomery Watson	U.S. EPA	Technical Memorandum: 679 June 1998 Groundwater Monitoring Report for the American Chemical Service Site
62	12/02/98	Vagt, P., Montgomery Watson	Bianchin, S., U.S. EPA	Letter re: Presence of 34 Arsenic in the October 28, 1998 Groundwater Treatment Plant Discharge Sample and Status of Measures taken at the American Chemical Service Site
63	04/00/99	U.S. EPA	Public	Fact Sheet: U.S. EPA 11 Proposes Changes to the Record of Decision for the American Chemical Service Site
64	05/13/99	U.S. EPA	Public	Transcript of the May 28 13, 1999 Public Meeting re: the American Chemical Service Site

# U.S. ENVIRONMENTAL PROTECTION AGENCY REMEDIAL ACTION

### ADMINISTRATIVE RECORD VOLUME GUIDE FOR

### AMERICAN CHEMICAL SERVICE, INC. SITE GRIFFITH, INDIANA UPDATE #3 JULY 21, 1999

VOLUME 1 = DOCUMENTS 1 - 9

VOLUME 2 = DOCUMENTS 10 - 16

VOLUME 3 = DOCUMENTS 17 - 22

VOLUME 4 = DOCUMENTS 23 - 26

VOLUME 5 = DOCUMENTS 27 - 30

VOLUME 6 = DOCUMENTS 31 - 35

VOLUME 7 = DOCUMENTS 36 - 43

VOLUME 8 = DOCUMENTS 43 CONT. - 47

VOLUME 9 = DOCUMENTS 48 - 50

VOLUME 10 = DOCUMENTS 50 CONT. - 53

VOLUME 11 = DOCUMENTS 54 - 57

VOLUME 12 = DOCUMENTS 58 - 60

VOLUME 13 = DOCUMENTS 61 - 64